

November 12, 1948.

Dr. Barbara MAClntock.
Dept. of Genetics,
Carnegie Institution,
Cold Spring Harbor, L.I., N.Y.

Dear Barbara,

I have just received your letter and scheme for the coli heterozygote. I haven't studied it yet in detail, but I hasten to thank you for the effort that you must have put into it. I will certainly study it very thoroughly.

Unfortunately, I think that I may have misled you concerning one of the premises: II-3. "the type of crossover chromatids recovered in the the segregants are not the expected ones in that many unusual multiple crossover chromatids are represented." I did emphasize that certain multiple-mutant types could be recovered from the heterozygotes, but they are elusive with respect to the techniques that were previously available, viz. selection for prototrophs. In fact, the multiple mutant types are merely the complements of the prototrophs, techniques for the recovery of which had been worked out before. This restatement does not, I think, alter the bases of your suggestions, but may require a somewhat simpler version.

Again, I want to thank you for your suggestions,
and remain,

Yours,

Joshua Lederberg